



SEQLST~1.TXT
SEQUENCE LISTING

<110> Liew, Choong-Chin
<120> Method for the Detection of Osteoarthritis Related Gene Transcripts in Blood
<130> 4231/2055C
<140> US 10/809,675
<141> 2004-03-25
<150> 10/802,875
<151> 2004-3-12
<150> US 10/601,518
<151> 2003-06-20
<150> US 10/085,783
<151> 2002-02-28
<150> US 60/271,955
<151> 2001-02-28
<150> US 60/275,017
<151> 2001-03-12
<150> US 60/305,340
<151> 2001-7-13
<150> US 10/268,730
<151> 2002-10-09
<150> US 09/477,148
<151> 2000-01-04
<150> US 60/115,125
<151> 1999-01-06
<160> 112
<170> PatentIn version 3.2
<210> 1
<211> 110
<212> DNA
<213> Human
<400> 1
acacaacgta acaataaacat atttagccaa tgttagtagac tgcttatataa tacatttagag 60
tgtcaattca ttccgtttac agccccattg ggtgtcaaat ttttttgg 110
<210> 2
<211> 530
<212> DNA
<213> Human
<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
```

SEQLST~1.TXT

```
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t
```

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
```

SEQLST~1.TXT

```
<223> n is a, c, g, or t  
<220>  
<221> misc_feature  
<222> (319)..(319)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (324)..(325)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (328)..(329)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (342)..(342)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (345)..(345)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (366)..(366)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (377)..(377)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (382)..(382)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (391)..(391)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (395)..(395)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (400)..(400)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (412)..(413)  
<223> n is a, c, g, or t  
  
<220>
```

SEQLST~1.TXT

```
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t
```

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (516)..(516)

<223> n is a, c, g, or t

<400> 2

gcctgttcta tacagntnt aaatntcatt tcagatcntn tntntgtgat aatgaatgct	60
gttnnntagn natcctatat natgtncgna cacatccitaa agcataggat gaaaaantga	120
nanccttagg atttngagca cantgcctt acctgaatat atacagcaca gttctgnant	180
ncctggcgtg tgnnactgga gatctctann aaaangnata nagtgggngg gcnctntggc	240
gcntgccggt nnnncctaaa ttttccccan gngnnggagg ccngtcacct gnncccatng	300
cgnctngac cngcctgtna acgnntanng gagccttagt cnctnctaaa aacacaaaat	360
tagccngca tggggngtgg gncccttgta ntctnagctn cttgggaggc tnngccagga	420
antncncttg aancgggna gngggtggcc tnaagttgn ggnaaggcca ntgatcaccg	480
cccttcccc tccangccc gggngaaggg atttngact tccgtttgg	530

<210> 3

<211> 215
<212> DNA
<213> Human

<400> 3

cggcacgagg atcaatttgc cttggaagaa caaaaggaaa gtctggaaat gcagaaagta	60
tggatgctga accacataac agcagatggc attgctgtga agtatactgg atgaaataca	120
ttcaagcggtt aatatttaat tctttttgtg gaaggtcaca caattaaaat ttaattggc	180
atggaggctt aggacggggt aaaaaagtct ttaga	215

<210> 4

<211> 129
<212> DNA
<213> Human

<400> 4

gtttttttt cctaaaacgg ttttatttaa ctcaatgtgt caaagttttt ttttaataat	60
cccaagaggg atgaagccgt gtccacaggg atatatacat cattatggtt cccatcttc	120
atacatgaa	129

<210> 5

<211> 361
<212> DNA
<213> Human

<220>

<221> misc_feature
<222> (13)..(14)

SEQLST~1.TXT

<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(21)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>

SEQLST~1.TXT

```
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t
.

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t
```

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(360)
<223> n is a, c, g, or t

<400> 5
ggggcctttt ttnnancggn nccgnnnncc cttcctggga anttttgggc cnttnntna 60
aangnggnct tncnggnaaa tgggtttttt nagggggctg gncaaaggtt ttttctntaa 120
tgggatnngg ccggcatttt aaaaaaaccc gctttggcct ttttgcana tngaaaaaaa 180
ttttttaaa angcctaaga canggtttc cttcatatg ccaaacttcc cctaacattt 240
gnnnttnng ggngggcagg gggggatttt taaaccggat ttnggtnaa aaaaaatcng 300
gggggaattt ttgggganaa aaccttnggg gggnccccct ttgaaaanaa agggtgggn 360
g 361

<210> 6
<211> 839
<212> DNA
<213> Human

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (585)..(585)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (606)..(606)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (644)..(644)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (671)..(671)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (693)..(693)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (695)..(695)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (714)..(714)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (742)..(742)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (744)..(744)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (756)..(756)

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (765)..(765)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (768)..(768)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (808)..(808)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (815)..(815)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (823)..(823)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (830)..(830)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (837)..(837)

<223> n is a, c, g, or t

<400> 6

ctcgtgccga	attcgacacg	agcaaagtac	ctggacttta	tggaatcctt	ctataacttca	60
ttgtcaatca	tttattggtt	ctaaaaagga	tcggacaatg	tgctatttca	ggaaaggccaa	120
tgtttggag	taaaatgcac	aaataatttc	tcttgccttg	caaacacatt	ttttttctg	180
tcattgcaat	gtgcacaaag	ggccacgagg	atctacaaga	aagcctgcct	tattctgacc	240
aggagtgggg	agctgacaag	aggcttcaca	gagcaggtga	tgttagaga	ggaatgtctc	300
ccatttccta	gtagcctgtg	aggctctcaa	aaccggaaat	caagttccc	ttctgaactc	360
agttctcaat	cgtgttagga	tagggttccc	aggtgtgcct	ctatgtgtag	aggctctatt	420
ataccctgga	tacacattga	tatgcatgtg	caatgctgga	atcaccagcc	cccangtcct	480
cctcccaaat	gtgcatgtt	ttgaccat	gtcacattta	atttttttt	tcaattgacg	540
ggtttttagg	gcaaantnc	caaaacatcc	cccactttgc	catantcccc	tgtcattcca	600
tattgnctt	cactgacatg	attcactcat	tgatattgcc	tgtngcgttc	ctatggcctt	660
tgagttgca	nactgggttt	gggggaaacc	cangnaaaaa	aaccttttg	aaangggaa	720
cccccccaat	ggtgggggaa	ananaactgg	actttntttg	ggagnccnga	atttgctctt	780

SEQLST~1.TXT

gaccaggcag ggacctggga ccctgaangc tttntaatc ttngggccn gaaaatntg 839

<210> 7
<211> 118
<212> DNA
<213> Human

<400> 7
atggaaagt gtgttaagatt tagaaaaagc attaactatt agtaaacttt atcttaagct 60
ctaaccttgc attaggtccc acaaaaatta ggtgatatgc aatttctaatt ttagggcc 118

<210> 8
<211> 197
<212> DNA
<213> Human

<400> 8
gttgcagtga gccgagatca taccactgca ctccagccta ggcaacagag cgagactcg 60
tcaaaagaaa aaaaaaaaaagg ggagctgggc gtgggtacta atgccgtaat cccaggcctt 120
tggaaatccc aggcaaggtg gccttaggg caaggagttc ggaacctccc tgctaacagg 180
taaacccccctt ttccctt 197

<210> 9
<211> 250
<212> DNA
<213> Human

<400> 9
gagaccaagg ccgccccgct ctggtctcag accagtttg ctgctttgc tctggctcag 60
ctggtgtggg ggcgcaggcgg gaaacgagac ctctagcatc tggctgaagg ctctgccaag 120
ctcctttca gggctgcagt ctgcctgcct gcatataccg acttggccag acactgctgc 180
taaattccag ggactcttc tccccctcctc tgctctccag ccaatccttg aggatttaat 240
aactggaaagg 250

<210> 10
<211> 680
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (615)..(615)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (626)..(626)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (645)..(645)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (661)..(661)
<223> n is a, c, g, or t

<400> 10
caccaaagaa gcaagaggc tttctttgt ttctgggac aataactaac ttaattgc 60
tcttcaagaa gaaggaagct gggtatatacg ggaatggca gaagtgcctcg cagatgaacc
atgaggagca tggctttaa gaacatgctg agaaggaagc aacacagact ccatcactgg 120
ggaaagcacc tgaatagagc actggtaaag gccagtctgt ggacctgagg ccagaggaga 180
tgccagggtt ccagatttca tggcccacag aaacggaact gatcatattt gttgctggc 240
cagtgttcca tagaccaaga aggctggtag caagtataga ttcctctaca tagttgaca 300
ggagaagaga aaggggaatg tagcacacag gatgcagcag gtgaataaga aaacctcctt 360
ttcccagggtt ggngacagtg agtcatctac agtatactc aaaagattgt gattgggtgt 420
gaaattcctg tctcaatatg caatctgcc aaaaaacact gtgatggttt cctgtaaagt 480
aacccctttt tcttatctt aattcacaa gactctaaa tgagaggggg gggagaaagn 540
gttcttctc actcncttaa aactgnggt ctgcctggag aaaanctaca tctgcacaga 600
naatgcttgt tagccagga 660
naatgcttgt tagccagga 680

<210> 11
<211> 318
<212> DNA
<213> Human

<400> 11
cctgcagagt actccatgga aacaattgcc gagcacgtgc tcgcaatttgc 60
tccgggttga actcctagac taagactagg taggtgatac ataccttctt cccaccaagt
actcacgatc caaactatga atttagatt cgatcaaac gaggattgtat ccgagggacc 120
aacgttgtga taaatcttac gtcgtttat atattaagtt tttgtggagg atcgataag 180
tctatagtgt ttgtcacaga tagtcccgta ccacacccca gaccatagga gtcgctctcc 240
ggaccgcggc ctaatggg 300
ggaccgcggc ctaatggg 318

SEQLST~1.TXT

<210> 12
<211> 155
<212> DNA
<213> Human

<400> 12
tctcacattg gacatactca aaattcactt ataatcttca caccaccaa aacttaccca 60
tatcaaatta taaacccacc cacattactt aaaattttt acatttccca ataaaaaacc 120
caaataaaca aaaacttcca atctccattt aaaat 155

<210> 13
<211> 125
<212> DNA
<213> Human

<400> 13
aataaacaaa catgccctct aatatatgaa ttcatcacac aacacgcaca ctgtccccac 60
aaacaccttt ttggtgtcaa gaagaaaaag actagcttca ctgaacagag aaatgctgga 120
cagtg 125

<210> 14
<211> 168
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<400> 14
ggcccntggg ggggnagggc ctttcgaaa ccggggnnng gccccnntt ggcccnnngg 60
gggtttcccg gggaaacccaa cccttaagg ggtngggggg aatttccccca caaaaaaaagg 120
aaaaaanttt tccggggggc ccacccggga agggntnccg gggaaaggg 168

<210> 15
<211> 438
<212> DNA
<213> Human

<400> 15
aaaaaacttc tttatagtcc ttatataattt ttaattgttt atgttagggg aagctataga 60
ggaacaaatt tgggatagaa atataaggct gggattacag gcatgagcca ccaagccgg 120
cccacatttc cattttaat atatactgtg cttaacaaat attataatat gttttaaaat 180
atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaaaa ataagcattc 240
tttgaatata tattnatgtt ttatgtgg tagaaaaatc aaagccagag ggagtagaaa 300
caaaatttgt gattnctaa atacttcttg gctgcaggaa agaaaccacg tcccaggcga 360
agtcctacct aatttgatga taaaattaca tggaaaggat tcttgtggc atgaggacct 420
accaagatgg tcaacaga 438

<210> 16
<211> 235
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<400> 16
aaggncaaaa ccggccggc ccggcccccc ttggcccaang ggggtnccg gnaaaccacc 60
ctttaaggn tggggaaatt ccccaaaaaa aggaaaaat tttcccgaaa gcccacccgg 120
aaagggggaa ggcccccddd accggggggg gggnaaaaag gtgggtttcc cccttttcc 180
aattccaaaa accaatttcc aaaaggnaaa ccaaccnttc ccaaaatggg aaagg 235

<210> 17
<211> 294
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (18)..(19)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature

SEQLST~1.TXT

<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<400> 17
aaaccaaccc tttaagggnnt ggggggnaat tccccccaaa aaaaggnaaa aattttttcc 60
gggggnccaa accggnaaag gnnttggaa aaccaaattt ttttggncc caacccccc 120
caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc 180
aaggggggaa aatttttccg ggggtgggtn gggggAACCA atttaagggg ggggcccccg 240
gggggggttcc ccttgggccc ttttccttt tggttnaaaa aaaaaaaccc cttg 294

<210> 18
<211> 453
<212> DNA

SEQLST~1.TXT

<213> Human

<400> 18
gtagaatata gggtgatact ggagatctac tgcgacctag accatgatac ataaccacac 60
aagtttaatc cctgggttct aactaccctt actgtcactt agcttaacct gcctccaatc 120
ctgtacttga actctaaaac tggtagaa actcagtgt taccccaaca gattcatttc 180
aaatagctgt aaaaggatgt tttactccag aagaccagag ttgcttctt tgaacttctc 240
attccttggg cctaggaacc ctcatcaccc tcatcccaac gtcaacccag atcttctt 300
ccataaacag cactccctca ggccctgcc tgacacaggc atagactgtc atgttgatt 360
cacagacagg ctgtgctaga ggaaacctct ggggctcacc aggggcccgtg ggatgggctt 420
ctggggcttc ttggagccca acttcttcat ggc 453

<210> 19

<211> 242

<212> DNA

<213> Human

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature

SEQLST~1.TXT

<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<400> 19
gagtcagact gtaaggnacg aaccctcggg gtccccacgn tgttccccc gggtaacnt 60
cggcccgggc cgggnagcc ctccgggc tttccccc gggggnccc gggggggacc 120
tttaggcggc accccaacaa caccaggccc tacttttcc aaggncggg aagccatgg 180
gttctggna acgggcaatg cggcttgca acggnggaa naaaaacagn cccaaaagaa 240
tg 242

<210> 20
<211> 181
<212> DNA
<213> Human

<400> 20
gtttgttgt ttttagatg aatctactc tgtcgccag gctggaatgc agtggtgtga 60
tctcagctca ctgcaacctc cacctctcag gagaattgct gaacctggga ggcggaggtt 120
gcagggagct gagattgcgc cactgccctc catcctgggc gacagagcaa gaacctgtct 180
c 181

<210> 21
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (23)..(23)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature

SEQLST~1.TXT

<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 21
gcacaaggaa gggtggncag atnttccngc actggnaaaa ncngctatg gtngtgaant 60
tnccccnccn nttnanacna aanntngcac tcttggnntgc 100

<210> 22
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 22

SEQLST~1.TXT

cntgcgccat ttactgnagg tggacaagga tactatnaac aaagatgtgg cnnaangaga	60
ataatggaag atagctntga ggatnaacnc tggttnaggg	100
<210> 23	
<211> 100	
<212> DNA	
<213> Human	
<220>	
<221> misc_feature	
<222> (17)..(17)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (19)..(19)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (27)..(29)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (37)..(38)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (46)..(46)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (49)..(49)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (65)..(65)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (72)..(72)	
<223> n is a, c, g, or t	
<400> 23	
acacacctcc acttgcnnga aagggnnnng gccccnnct tggcnganc attaagcctt	60
tttgnggctg cngccctgt gcctggtgcc acaacaaatg	100
<210> 24	
<211> 227	
<212> DNA	
<213> Human	

SEQLST~1.TXT

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (91)..(91)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (109)..(109)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (157)..(157)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (177)..(177)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (199)..(199)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (207)..(207)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (211)..(211)
 <223> n is a, c, g, or t

<400>	24					
ccggncacca	ccnttaaggt	tgggggattt	ccccaaaaaa	ggaaaatttt	cggcgccaa	60
cggyaaggcc	nttggggaaa	aaaccaangg	ncaaaccccc	ccaaccacnc	ggcccccccc	120
aaggggggtg	ggyaagagcc	aaatttcttt	ggaaanaac	gcccccttgg	ggaaaanaag	180
gccaaccacc	tttcaacanc	ccccaaangcg	nggaagccat	ttcttgg		227

SEQLST~1.TXT

<210> 25
<211> 306
<212> DNA
<213> Human

<400> 25
tccaaaagta gagcagaggg atattttgtt ctactgagcc acgaaaaaca cctgaattgt 60
ttcgaccatg tgccttccca gtttgatgaa gacattgcta cacagtctgc agatcaggaa 120
ggaagaattt tatgtgggag ttttaatgg ttcatttca ttggctataa ctcagttaca 180
aggagaaaata taactgcaga ggagcttga aaatttagtt cagctgaggg taaaggaaga 240
agagacaaat ttgtcatca gctagtgatc tgccatacaa ggtgtccct taatatgtgt 300
agaatg 306

<210> 26
<211> 492
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (479)..(479)
<223> n is a, c, g, or t

<400> 26

SEQLST~1.TXT

cggcttcggg ccaagcgaaa ccagagttt ccgaactgtt gagcaagtcc gctattctcc	60
agatgccta gcccggcgg ggcgaccacc acgatgtccc agcctgtcag gttgtcctga	120
ttgaggcgaa aggactcgcc gatttgacgc ttgatgcggt tgcgctcgac ggcgagctt	180
acgctttt tgccgatcac caaacctagg cggggatgtat caagctggtt atcgcgccgt	240
agcagcagga cactttgcc cgggagctt accgcttggg gagtcgaaga ctgccttgn	300
ttgccccggg gtcagcagtc gcttttccc ggnncgaagcc tcgaactcac cancctgtct	360
ggattaatta gacagcaaga cgcttgcggc cccttggcg cgaacgaacn ncgaaaagga	420
cttgcgcggc ccgtttctt gggggccaa taccggggcn cggggaaaac ccngggggng	480
gccaaccccc cc	492

<210> 27
<211> 500
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

<400> 27
cgaagcgatg gaagcgcaag cttggtaggg gagcattccc acggcagaga aggtcggcg 60
acgagccggg ctggagcggt gggaaaagca aatgttaggc taagtaacga caatgcgggc 120
gagaaccccc cacaccgaaa ggcttaaggat tcctccgcta tgtcaatcaa cggagggtta 180
gtcgggtact aaggcgtagt cgaaggcgaa gcgcgcgtt gaagggggtt aatattcctc 240
cacttgccat gcgtgtaat ccatgacgga gacgaagccg ggggtgcgtc ctgacggaag 300
tgggcgccag cagggcgcc cttcgggcca aaccgaacct caggtcanac ttccaagaaa 360

SEQLST~1.TXT

agtgggtgaa acgccagcgc atggcaaccc gtaccgcaaa ccgacacagg tagccggggg	420
anaacatcct aaggngctcg agagtacttt ctagagcggc cgccccccc atcganttt	480
ccacccgggn ggggtaccag	500
<210> 28	
<211> 231	
<212> DNA	
<213> Human	
<220>	
<221> misc_feature	
<222> (18)..(18)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (47)..(47)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (59)..(59)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (74)..(74)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (138)..(138)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (174)..(174)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (176)..(176)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (211)..(211)	
<223> n is a, c, g, or t	
<400> 28	
aagaaattcc gggcacgnag gcacgcccct ggttaattccc caggcgnact tctggggang	60
gcttggaaaggc ttgnagggca gaaaaggat ccgcctttgg gaggaaccca ggttaaggttt	120
aagaaggaac ccaccctnngg ggccaaacaa aaacttaaaa acccccccatt ttcntncccc	180
ccaaaaaaaaa aatttttaaa aaaaattttt ngccccggg ggcattgggg g	231

SEQLST~1.TXT

<210> 29
<211> 109
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (1)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<400> 29
nncgaacaat angtctggag ctcgtgcgnc ctgnaggtgc gacactagtg gatccaaaga 60
attcggcacg agggattaca gtcgtgagcc actgcacctg gctgcaatt 109

<210> 30
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (3)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 30
tcnnnntng gtntnggctn tccgagnggc anngagtgan tgcccgttnn tattgancac 60

SEQLST~1.TXT
cantcantng ttgccntng ataccnana caaaaattgaa

100

<210> 31
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 31
tcggcgggg ancccttac ctgtcnn tac gatgcgcaag tagatnccng atttngtccn 60
ganggtcgnn aanttaggnt tccagcctgc gncacngcca 100

<210> 32
<211> 104
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(78)
<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(98)
<223> n is a, c, g, or t

<400> 32
cntgctntta cgatgcgcaa ggtagtnccg tgantttagt ccgtgatgtg tcgaaanatt 60
agnnttncag ccngnnnnan tgccattttn gctctnnnga gaaa 104

<210> 33
<211> 102
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>

SEQLST~1.TXT

<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<400> 33
tgggntggcc cngcttaact tttgccncg anctcggngt tcgnacaggg gcgaagnaaa 60
ccgccaantt tttcnaacc cnacttgttt tnggttttag tt 102

<210> 34
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (21)..(21)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature

SEQLST~1.TXT

<222> (53)..(53)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (61)..(61)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (73)..(73)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (78)..(78)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (83)..(83)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (85)..(85)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (97)..(97)
 <223> n is a, c, g, or t

<400> 34
 agnacgcctt tacagctta ngatgcnga gagagtancg gattgnccn tgntggtgga 60
 naaatttaggg ttncagcntg tgnantgccs tttcgntaa 100

<210> 35
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (21)..(22)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (65)..(65)

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (67)..(68)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (70)..(70)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (77)..(77)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (83)..(83)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (92)..(92)

<223> n is a, c, g, or t

<400> 35

cacgatagca tcagacggcg nncttggngc cntttgccc gctggtcaca ggacaacgca 60

tttcncnntn tggtgtncgg ctntcacgca tnggcgcgag 100

<210> 36

<211> 153

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (4)..(4)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (8)..(8)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (29)..(29)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (43)..(44)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (46)..(46)

<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(118)
<223> n is a, c, g, or t

<400> 36
tggngccntt ttgcccgtg gtcacaggna aacgcatttc acnntntggt gttcggntnt 60
cacgcacggc agcgagtgca atgnccgatt cattcttnaa cgacgcacac acccnngnngc 120
cctgtgaaac ccataaacag tggaaaatgg tgc 153

<210> 37
<211> 151
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (10)..(10)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(66)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(75)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)

<223> n is a, c, g, or t

<400> 37

gcgcgcntgn aggcccccac actagtggat ccaaagtatt ttggcacgag ctnagttcga 60

ngatnnagac cncnnatcac ctaatacanc catnactcan atgactntt gtgcgcctt 120

tatcanatgc atagcctatc naaaacatca c 151

<210> 38
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature

SEQLST~1.TXT

<222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (61)..(61)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (72)..(72)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (79)..(79)
 <223> n is a, c, g, or t

<400> 38
 gngcgttgn aggccgacac tagggatcc aaagaattcg gcacgagctc gtgccgaatt 60
 ngncacgagt tnggctgcnt cttaatacaa cttttcttca 100

<210> 39
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (7)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (15)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (20)..(20)

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (24)..(24)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (71)..(71)

<223> n is a, c, g, or t

<400> 39

aaagngnntn ctggnnnttan gcanttaacc caggcactgg ggcgctgaac agctactcag 60

ctgcttaagt ngtcccactg gtccagacca gcgacccagc 100

<210> 40

<211> 102

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (80)..(80)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (91)..(91)

<223> n is a, c, g, or t

<400> 40

ttcccccagg atcttctta tatctatcag atctaggtga aaggattact gtcttgtagg 60

tgtcctgaag gacaagccgn ttcgttgaa nctgtgaaat ac 102

<210> 41

<211> 325

<212> DNA

<213> Human

<400> 41

ttcggcacga ggagaagaga ggagccgtca gaacatatgg gggatgtgtt caagaagcag 60

atttgtggtc ggaagctttg caaagagggg acctgggtct gagtgacatg cgtggccact 120

ggtgctcctg cgtttggact gtgcaggcct ctcctatgct gatgcgtctc cccactcctg 180

agctaatttc tgctctgctc cttctgtgac atgtggcagc gtgggaaata gccactgtcc 240

cctgtccctg ctgttccctgg tgtcacccag caccaggcca ctctgggagc cagggcagat 300

ggtcctccct gtggtcctgg cctct 325

<210> 42

<211> 103

<212> DNA

<213> Human

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (14)..(14)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<400> 42
gtggcccaag gggnactgaa gggccctcc ntaagnggag gggttggga gtaaggcctg 60
ggnaggaccc tgntgactcg gggggcggga gcngggancc agg 103

<210> 43
<211> 221
<212> DNA
<213> Human

<400> 43
catattttga aatacttttc tcccaaactg gtttatttag cgtgtaccct gctttccac 60
tttaaaaatt tatgccatat gtccagcttc cagtcagtgc ttctggtag catgaggata 120
actagattt actgttagatg gtagataaaa gtccagtgaa aagcaaagat gtgtaatgtt 180
tttgttagcct cagtgcttt atcccaagta aaagcaaagt t 221

<210> 44
<211> 100
<212> DNA
<213> Human

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
```

SEQLST~1.TXT

<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<400> 44
anagagatca ntgatttatt gctgggnnc tgtn ganng ntctaaggnn tgaagattat 60
nncatnngc aagcgnacnn gcgcngccna gcngaccagg 100

<210> 45
<211> 106
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (24)..(24)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (77)..(77)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (88)..(88)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (95)..(96)

<223> n is a, c, g, or t

<400> 45

atatttcngg agcttgcagc ggcnaacacta ggnnactaaa agaattnnag aaagaggnc 60

atnggacnag nanacangaa acctgcanac ttggngctt ggaagt 106

<210> 46

<211> 100

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (74)..(74)

<223> n is a, c, g, or t

<400> 46

gatgtggaga tgcttgatag gttactgggc ggcaatccag gagttgatga agcgcatatg 60

cgaacatttc acgngcatat tgcgtgcaa gggcttactg 100

<210> 47

<211> 101

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (7)..(8)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (17)..(17)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (23)..(23)

<223> n is a, c, g, or t

<220>

<221> misc_feature

SEQLST~1.TXT

<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (99)..(100)
<223> n is a, c, g, or t

<400> 47
ccccccnncc cttcttntcc ccnaaagaat aanataagaa tngctannga gnaancgacn 60
anggtnttan nagntatatg tatntnncaa accaantann a 101

<210> 48
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (5)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>

SEQLST~1.TXT

<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 48
aagggnaggc tcgttggggg aaaaaacccg ccntnnccgg cncccngnaa acccnacna 60
ggggaccnna aaaaccggaa naaaccnccc nagnaancca 100

<210> 49
<211> 473
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature

SEQLST~1.TXT

<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<400>	49					
atgagtatga	aatgaaaggn	tgagatgaaa	tgatgatntg	agatgagatg	aaatgagatg	60
aaaccgagat	gaaatgatga	aatgatgaga	tgagaccgag	acgaaatgt	gagatgaaat	120
gagatgagat	aaaatgagat	gaaatgaagt	gaaatgaaat	gaantcctga	aattgacntg	180
agatgaactg	agataaaatg	ntgagatgaa	ntgatgagaa	gaaatgagat	gaaatgagat	240
gagatgatga	gataaaaat	gctgagatga	aacntgatga	gatgaaatga	tgagatgaat	300
tgaantgaaa	tgaaataatg	aaataatgac	ctgagatgan	atgaantgt	gaactgtga	360
actaatgaaa	tgaaaatgaa	atgganntga	tgagatgaga	agaantgctg	agatgagata	420
aatgagatg	aantgtgag	atgaantgaa	atgctgagat	gagatgagat	gaa	473

<210> 50
<211> 453

SEQLST~1.TXT

<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (5)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (18)..(18)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
```

SEQLST~1.TXT

<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(224)
<223> n is a, c, g, or t

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (233)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
```

SEQLST~1.TXT

```
<223> n is a, c, g, or t  
<220>  
<221> misc_feature  
<222> (319)..(319)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (322)..(322)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (326)..(326)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (328)..(328)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (334)..(335)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (338)..(339)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (347)..(347)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (352)..(352)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (358)..(358)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (361)..(361)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (367)..(367)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (382)..(382)  
<223> n is a, c, g, or t  
  
<220>
```

SEQLST~1.TXT

```

<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 50
ttccnnagct gtnacganac antcttgaat tgaaattgna cacanctngt gtgnagccct      60
gatanggccn gnaagcaatn tanaggatan ccgnangnta tngnaacaca ttncncnagc      120
ntntncanca gctgatgcag gncncctatg atgcgattan ggactacgac tatnnctcan      180
ngtctnaaca gnccgcgangg ctgantacta aaagnacaca aanntgtgca ccnnccatnac      240
tcncgttgac tgnacantgt agacctgnaa tacctggctn aaaggggtct nactgnccatn      300
agagntgnag ntgcccctnc antagngnga gctnnaanng gcctgtnttt gntttacntc      360
ntcgganagg cgatgccatt anagaccnna gaacncattg gtgatatacn ctnnaccnng      420
agggnttaca ttgggnaatg atnattatgg ggg                                453

<210> 51
<211> 542
<212> DNA
<213> Human

```

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
```

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (470)..(470)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (472)..(472)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (478)..(478)

<223> n is a, c, g, or t

<400> 51

caactgtgag caaggaatnc cattaaatgc cattgtatat tcattgatca gtgaaatcnc 60

atctgggtca cagtggcatc tatgttnaca gtataaatcc ctgtggctat gaatgaaang 120

cttgttaga cttgcacatctg cacatagaag tagggatttc atgctgttat cagcctaatt 180

ttagcctata gaatttcaag ttngctagag gtttngctct ccatggtata agtttagcaa 240

gaaaagtcat ttgtctgctg ctctagcagg ttanaatgtg gaagtatagt gtgcanagtt 300

ttaatccgna tatgttatta aaacatatac atcattttat atcatacatc tgnataaaat 360

attcaaaaatt aaatagtgtat ttgggattga ttacatctta ttactagctg taataaatga 420

cctcnngat ngtttaaaat tgtttcctc ncataataa aaaataacctn angcatanat 480

cgattgtcca aaaattgaat atatatacac acctcttcca ttagaactaa atatgtggaa 540

tg

542

<210> 52

<211> 733

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (13)..(14)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (17)..(17)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (20)..(20)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (22)..(22)

SEQLST~1.TXT

<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(88)
<223> n is a, c, g, or t

<220>

SEQLST~1.TXT

```
<221> misc_feature
<222> (90)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t
```

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
```

SEQLST~1.TXT

```
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t
```

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (485)..(485)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (505)..(507)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (528)..(528)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (532)..(532)
```

SEQLST~1.TXT

```
<223> n is a, c, g, or t  
<220>  
<221> misc_feature  
<222> (534)..(535)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (543)..(543)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (551)..(553)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (555)..(555)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (561)..(561)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (568)..(568)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (573)..(573)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (584)..(584)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (589)..(589)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (598)..(598)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (605)..(605)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (612)..(612)  
<223> n is a, c, g, or t  
  
<220>
```

SEQLST~1.TXT

```

<221> misc_feature
<222> (618)..(618)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (633)..(633)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (647)..(647)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (653)..(654)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (664)..(664)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (679)..(679)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (689)..(689)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (695)..(695)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (698)..(698)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (711)..(711)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (720)..(720)
<223> n is a, c, g, or t

<400> 52
atatgacctg cgnncanacn cnctaanan ngactngtta aanacnttcc gtggaatnna      60
ctcagactgc aaantgtnat nctgnnnan nntgnngact gtccngncng atttnnngcn      120
tgnaatacta ttgcctctta tatacacnac caannntgcg aagggnann nnaccttnc      180
cantnnnctg gggncacn nnngngaact gagagtggat cttgtgtacc tgacnnacca      240

```

SEQLST~1.TXT

gnttnnnagn	agggcgctca	ctctgattgg	tgcaccatgg	ttacacagtg	tgtcaaaga	300
ccngnctatc	tcactganga	tgattgnag	ngccnntggg	tggcacnang	gnactgatg	360
ancancactg	accctgccga	cgcagangc	cgcacatccg	gagantncat	gngacnatat	420
aggttaccnc	cttcnaccgg	gcanaatct	gcttctatgg	tgaatgcaga	ccatntagaa	480
ntctntcnct	ataggcatga	ttttnncag	tgcgtcagcc	ttganaanga	ancnnacttt	540
tgntagatga	nngngtgc	cccttgnng	ctnacaattt	ccancaccnt	tggtggcngc	600
agccnttaag	ancacttntt	ttgggttgcg	ctnttggatg	aattacnaat	agnntgttt	660
gttncaaggc	ccttctgcna	aatatgaana	aaagngcnct	tagttttg	nggaaactgn	720
actggaaatt	ttg					733

<210> 53
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (74)..(74)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (80)..(80)

<223> n is a, c, g, or t

<400> 53

gatcagacaa gancntggtc cacagcggga cgagagntct cnannctgcn ggggagnnnnc 60

caagtacgcn agcnctgaan ctaaagcaag caagaaaaag 100

<210> 54

<211> 515

<212> DNA

<213> Human

<400> 54

atatggcaag gataaccctt atacttctgc ataatgaatt aactaaaata acttgcaagg 60

agagccaagc taaacccccc ataccgacga gtaccagaac aggttaagcac cccgtctatg 120

tagatatggg aagattatag gaggcgacaa ctaccgagcc tggtgatagc tggtgtccaa 180

gaagagtctt agttcattta tttggccag aaccctctaa tcccttgta atttatgtca 240

agaggaacag ctctttggac actggaaaac cgtgagagag taagatttac acccttaggg 300

gcctaatacg agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa 360

tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt 420

ataagtaacc tgaaaacatt ctcccttgca taagccctgc gttggattat atcctgcact 480

gacaattaac tgccccaata tctacaatcc aaccc 515

<210> 55

<211> 176

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (5)..(5)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (32)..(32)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (40)..(40)

<223> n is a, c, g, or t

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t
```

<400> 55 tggtnaggat caaattataa tattgaaata anaacagctn acatttatat agcatgttn 60
cntatctcaa ctaatnataa atggaaaat gggcaactgg gcaggcngaa cccagaggga 120
aqcctqccct cattaqacca aqacaqcaaq gtttncctg gtcactagat gaaatt 176

<210> 56
<211> 317
<212> DNA
<213> Human

```
<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, q, or t
```

<400> 56 cagnagtgtat gttgcaatat ctggaaactag caaaggatac tgatgagaaa acgtggaatc 60
atgtggatg tgacctcccta ggactcacct tgcacagctg ggtgcagcag ggataggtaa 120
ggatTTgggg ttttagaggta caattgcctt tttatggtta gagaaaggtc ctggggctgg 180
agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct 240
gcttaaaggg ctgtgtcagt tctattgtaa acaccaactt aaagtggtgg atgctggcag 300
acattqttat tqccatt 317

<210> 57
<211> 209
<212> DNA
<213> Human

SEQLST~1.TXT

<400> 57		
ctcatacacc tggctact gtttctaca gagtgccaaa actattcgag agaataggct	60	
ctggactgga cactgtatac ccacatgcaa gatgaagttg gccccttaca tcctatacgc	120	
aggagaattt cgtcattaa agcctgtga cgctttctc ccgcagacga atggaaagat	180	
taattgggag tggggctga aacaattcg	209	
<210> 58		
<211> 262		
<212> DNA		
<213> Human		
<400> 58		
aattttgctg ttacatggtg gctcaactga gtcccaactt ttgaaggccg ggagttaatc	60	
acctggtcac cgagttgcga accagcctcc aatatgtgga accctgtact ctctaaaaat	120	
caaattcaccg gcatggagat tgccctgtg gtcccaaaat actcgggctg ggacacgatg	180	
agttgcttgg cccaaggaag gagggttga tggctgatca cactggtccg cctgggtgac	240	
agagcgagac tccatctcta at	262	
<210> 59		
<211> 430		
<212> DNA		
<213> Human		
<400> 59		
gtcagtttat ttctgactag ggatatttc tttccattta gaaaagaaga aaaaaaaaaaa	60	
aaacctttat tgtcttacag ggggaacta gcgcgggct gaataaaacc tttggccctt	120	
cccgaaaaag gggtatccgg tttataaacc ccaagggtat tttcttagca aaatactaa	180	
aaccggccgg ggttttata caaactggaa acccactttt gaaaaatttt ggcctttga	240	
tctggatgg gaatatgagt tttatacat ttcattttct tttgggcaa aggccccgtt	300	
aagtattccc ccccgaaaaa ctttacaaa aaggcggtt taaaagctt ttgggcccc	360	
ctaggaatt gtttaacac ctaaaaaccc ctgcttcct taaagggcgt ttcttaatt	420	
tggggcgcc	430	
<210> 60		
<211> 350		
<212> DNA		
<213> Human		
<400> 60		
aaacctctct aactatatac cacaataacc tgcgataag attacgctc cgatctttc	60	
atcctactag cttggaggat ttgaaccgt tatgaatacg caatactccc ggtcctcatg	120	
tatcatgtgt aagccatct cttggggagg ctaacatact accatctcca aggagaggca	180	

SEQLST~1.TXT

tgattccgaa tcacccacag acagctcgat caccatacgt atcacccaac atatataacct	240
tctaagactt gctagaaaca accaccacat ttgatgctta atcaccactc tgacgcgcatt	300
taaagtgagg ggactctcctt aatttctgtt agttgatTTT tgcattctga	350

<210> 61
<211> 515
<212> DNA
<213> Human

<400> 61 cacataaaatt ctccataagt taattagtga ttttaacatg atctcaatat aaacatagca cactttcttt gagaattcaa catattgcaa gttaaaattt tcatacgacta cacaagaaag aataatcagg caaatcctta agaataaggg caattaagga tgactagccc tacaagattt taaaaaggat tcattagttt aaaaaatgtg atgttagatac atgaataaaaa taaaatcttg aagtagatcc aaatatacat ggtcagattt aatacaataa agatggcatc gtagcagtgg agaaaagaag aattatttca taaaccttgt tggaatggct aggcaatcat ctggaaaaaa atgaagttga ataataaaaa tatattctac actagcacaattataa aagcagtgtat ttaaatgaga aaaattaaat cataatgatt tcaaagataa cataggataa tttcttata gtcttctaaa atatatgact ttatgaattc tgact	60 120 180 240 300 360 420 480 515
---	--

<210> 62
<211> 611
<212> DNA
<213> Human

<400> 62 caagtacttt accaactaag ccaatcttgt ccccagccag gcatttctat acaaagggcc aagactttgg ttttataat aaggaggat atataaatta tatataatttc tgagctgagt aataatccac cagatacaag tttgcatcaa cttctgtgaa atatTTTT tccttttgt tggcatttt tatggtctaa atatagaatg accaatgcct ctagaacaaa cttgacctgg tcagtgttat caagaagcag actgtttctt actttcttgc tatttcctta cttatttaaa tttggtaaaa ttgatataattt gatataaaa acttctttgc ccagtgttgg tggcacacgc ctttaatccc agcacttagg aggcagaggc agggtggatt tctgaatttg agggcaggct agtctacaga gcaagttcca ggtcagccaa ggctatataat agaaactctg gcatgaaaaa ccaaaccaaac caaaccaaac caaaccagac cagaccagac cagaccagac caaaccaaac caaaccagac taaaccaaac caaaccagac cagaccagac cagaccagac cagaccagac cagaccaaac t	60 120 180 240 300 360 420 480 540 600 611
--	--

<210> 63
<211> 291

SEQLST~1.TXT

<212> DNA
 <213> Human

<400> 63
 ccgagagatt ggccactgct taaactcatg cagctcctac tgttcttcaa ttaatgcctt 60
 taatgcgaat atacttcctc ttcttttgc atggcttgc ccagcctctg caatactgat
 gaacacatgc tgaagatcat ctaactcaat atggcgata tttctatgtc ttgctgccca 120
 ggacatagga caacttcgtc gctcactagt tctaacatat taatgctggc gtaggtggag 180
 aactactgca catatactct tactcggagg ctgaggcacg aggatcaactt g 240
 291

<210> 64
 <211> 309
 <212> DNA
 <213> Human

<400> 64
 gccagatgcc gtgtttcctc gatgaactct ttacatcatt ggctattcag tggagtgttt 60
 cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca 120
 tatatttcaa atgtcttgct aacagtggtt actttgctct atccttagct atacgtctcg
 aggcacattt ttcctctatg ccccgctacg ctttgccta gagctcggcg gtatctatat 180
 cttaactgcc ctcttgcattcc ttacgtgccg gagaagggtgg aggcagaaat tttgtcaaat 240
 ctgattaga 309

<210> 65
 <211> 278
 <212> DNA
 <213> Human

<400> 65
 tagaatggaa tggagtcgaa tgtgatggaa tggacgcgaa tggaaatggaa tggactcgaa 60
 tggaaataag tggaaatagac tcgaatggaa tggaaatgcaa tggaaatggac tcgaatggaa 120
 agggatggaa tggactcgaa gggaaatggaa tggaaatggat tcgaatggaa aggaatggaa 180
 tggactcaaa aggaatggaa tggaaatggac tcaaattggaa tggactcgaa ttggaaatggaaa 240
 tgtaatggaa tagactcgaa tggaaatggaa cgaaattt 278

<210> 66
 <211> 142
 <212> DNA
 <213> Human

<400> 66
 agttctccctt aggttaatta atggaatgca atcccaatga aaatgtcacc aaagttgttt 60
 ttttttaac tgtaggaggt ttataataat gctcatatgg aaaaataaaaa catgtaaaaaa 120
 atagcttagta aactccccct gt 142

SEQLST~1.TXT

<210> 67
<211> 286
<212> DNA
<213> Human

<400> 67
atatctgcc a tcctcatcg ccaatcgtgt tattttgatg acgaatgctt cgagattgg 60
aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagttg 120
attattttcc caacaatttgc atttcattttt atagaataag ctgactaaga ctacttagcc 180
ccacatcccc ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc 240
caaagctcca tttcccttggaa agcagaagtg taatattact tcttag 286

<210> 68
<211> 179
<212> DNA
<213> Human

<400> 68
atctactttt tattcttttgc ataaatgttt atgaaatata aaatactgaa aatttagaaag 60
tagaagtcat tattttatta taaaacatgt ggatttagata ttttcattta tgtgattaaa 120
ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaat 179

<210> 69
<211> 390
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<400> 69
cagataagac tattaagaca gataagagcc aaatcatgtt gagcctcaga ggttttgtat 60
cttcagtcta agaacgtaaa tccatggaaat aattttaaatc aggggtgtgc cttgaccaca 120
ttttgaatttca taaactgtct ctgggtgggt gtgggtgccca ccaagagcat gtgttcatgt 180
agggagactg gtttttaca gttgtctatg agagagatga cagttgcctg gattatggtg 240
gtgacattgg agataaggcag gtagacagat tctcagtgtt ttaggagaga aaaatcaata 300
ggaaattttaa aataaataat taactgtggc cataggagga aggagtcttt gggttngtt 360
ctcaatttctt gcatgagaaa aaagggtggac 390

<210> 70
<211> 481
<212> DNA
<213> Human

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 70
atgatgaaat gatgagatga aatgcntag atgagatgtg atgaaatgat gatatgaaat 60
gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga 120
tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaatga tgagatgatg 180
agatgaatga tgaaatgaaa tgatgagatg agatgatgaa atgaaatggt gagatgaaat 240
gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaatgaa gagatgaaat 300
gatgagatga tgaaattgat gaaatgatga gatgtgatga gatgaaatgaa tgagatgaga 360
tgagatgaca tgaaataatg aaatgaaatt gaaatgagat aagatacgag ctgagatgca 420
atgagatgaa atgatgagat gaaatgaaat agtgaaatgaa aattgaaata aaatcgaaat 480
g 481

<210> 71
<211> 125
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>

SEQLST~1.TXT

```

<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 71
cggtngcaat tgggggccnc atacgcgcng acgagtantg gncangctnc ttgactacac      60
ngacgcgccc tacaggntna attatggnan cttacatggn aaaggggcan ctcaatgtcc      120
cacag                                         125

<210> 72
<211> 473
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<400> 72
gaaatgaaat aatgaaatga gatgaaataa ccaaataaaa ttgaaatgag atgagaggaa      60
atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tcatgagatg      120

```

SEQLST~1.TXT

aaatgaatct gagatgaaaat gagatgaaaa ntgatacgaa aaatgatata aaaaatatga	180
cctgagatga aatgagatga aaaatgatac gaaaaatgat ataaaaaata tgacatgaaa	240
tgaaatgaga tgatatgaaa tgacataatg aaatgatgaa ttgatgatat tgaaatgaaa	300
ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga	360
catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga	420
tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga	473

<210> 73
<211> 500
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<400> 73
aatgagnatg aaaagnatga aatgatgaga tgaaatgaaa tgatgagatg aaatgaggtg 60
aaatgaaatt agatgaaatg taatgagatg aaatgaaatg acctaattgaa atgaaataat 120
gaaatgagat gaaataaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa 180
tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga gaaaaatga 240
gatgaaatga tgagatgaga tgaaatatga tgagttgaaa tgacataatg aatgaaatga 300
tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga 360
aatgatgaaa tgatgagatg aaatgatgaa atgaaataat gaaatgagat gaaataaaat 420
aatgaaatga tgaaataatg aaatgaaaat gaaatggaaa tgatgagatg agaagaaatg 480
atgagatgaa atgatgaaaat 500

<210> 74
<211> 299
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (31)..(32)

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (57)..(57)

<223> n is a, c, g, or t

<400> 74

ggaaatcctg aagtggaaat gatgagctga nntgcaatga gttgaaatga gatgaancga 60

tcaaattatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga 120

cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa 180

tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg 240

aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg 299

<210> 75

<211> 155

<212> DNA

<213> Human

<400> 75

agtgaaatga aattgaaata aaatcgaaat gagatgagat gaaatgatga gatgatgaaa 60

taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga 120

tgagatgaca tgaaataatg aaacgaaatt gaaat 155

<210> 76

<211> 367

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (11)..(11)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (35)..(35)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (37)..(38)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (43)..(43)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (56)..(56)

<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 76
atagcaaaaac nggtaaaac ccctgagttt gcganannag tantcttgta gggcnaact 60
ctacttnaga ngaantcctc gcaaaatcct tgaatcacccg cttagtgca gtgatatcac 120
cgccatgaaa tttctgctcg attagctac gttgttgga tagaggccaa acaaggctgt 180
tatcggtacg aggaatggat gttcgatttc gttagatacg cctgagagac ggcgaatact 240
ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga 300
aaatatgagg ggtggcaagg tttgcctgt tacattctca aatggaagca aattagatat 360
gtcattg 367

<210> 77
<211> 257
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<400> 77
actagnacag naatttttagc taagtggagt ttgagtttaag tggagatgtg agaccatctc 60
atagaaatca ttatttctgt gggatggata attgggccaa attgtaaaat attttaacta 120
tcagtgttg gggtttattt ttaaaaagaat agggtgccac cagatgttct ttagtgagg 180
agaaatgagg ccagagtgac tgcctagaaa attaagttgg taaattaatc actttttct 240
aggcctttc ttagtct 257

<210> 78
<211> 373
<212> DNA
<213> Human

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (24)..(24)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
```

SEQLST~1.TXT

<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 78
ctttaaaaac ntgttagacn aacntaaaaa nttaccnntt ttccctgaact gantcctggg 60
nntaantaaa aagggtgaag aannttactt cncttggtcc taaaaaacnt tttcntcagt 120
tattaccaaa atatttggac cattantaaa gantagggcc aaccrnaatt tttcttgaaa 180
tttccgttaa atagccgtta aatgtttta cccatttcattt attggataacc ttaaaattata 240
ataatggatt ttattgttaa attgtgtgtg tgtggtgtgt atgccctgtc ttttctccctc 300
taccattatt gtcactttat gtttggacc ccctttaccc ttccttaaag gaaaaaaaaagg 360
ccccggggttt ttt 373

<210> 79
<211> 128
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (10)..(10)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature

SEQLST~1.TXT

<222> (92)..(92)
<223> n is a, c, g, or t

<400> 79
tcctagtaan ctggtttacn ctgaaagann aagangcctc ccctgttcnc tgaaatacca 60
ccttgatgtt caagtattta agaccctatg cnaatatttt ttacctttc taataaacca 120
tgtttgtt 128

<210> 80
<211> 213
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (9)..(9)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>

SEQLST~1.TXT

<221> misc_feature
<222> (166)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<400> 80
cccatggna cagaccccca aaatgggtac attttttagg aaaccaggac ctttccaagg 60
ggccaggcct tccctttaaa aaaaaatnac cgttttngg gggangnaac cttaaaagg 120
ggaaaanaaa tccttttaa anggaantcc aagggaaagga ncctgnncaa nacttccccn 180
ccaataaaaaa aaaccnttt ggaaangggg aaa 213

<210> 81
<211> 443
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<400> 81
gaaatgagat gaaaccatga gnatgaaatg aannaatgnc atgcaaatga tgagatgaaa 60
tgatgaaatg agatgagatg agaagaaatg acttgatgag atgagataaa atgatgaaat 120
gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg 180
aatgagaag aatgagatg aatgatgaa atgatgagat gagatgaaaa atgatggat 240

SEQLST~1.TXT

gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa	300
tgaattgata atattgaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa	360
tgaaatgtt aaatgaaatg aagagatgta acatgaaatg agctgaaatg atgagatgaa	420
atgaaatgaa atgagattaa atg	443

<210> 82
<211> 442
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 82	
tggcccgaaa acntcnaact gcccatcctg gantttggg gggannctt taaaaaacct	60
gacctctgaa tgtattantg anncaagtga tagccaagat attttgaaga aaaatagata	120
ntaggaccc gctctataag cccatcataa tttattatga agttataaca agtaaaacag	180
taaggtattt ggcatttggaaat agagaaccca gaaacagacc caatgcatttgg gtacaggata	240
taacacaggg aaatgagggaa caatatatgg ttctggata attatttata tggggaaaat	300
aaagaaaattt gatccctacc tcacacatac aaaaaaaaaatc ataattgaat taaaaacttg	360

SEQLST~1.TXT

catgtgaaag gaaagacttt aaaacattta gaaaaagtat tggaggctat gatcttgggg	420
taggaaagca tttttttt tt	442

<210> 83
<211> 135
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<400> 83 gtctaacnta aaaagtaaaag aaagtaaagt aaaggnttga aggaaggaag gaaggaagga	60
aggagggaaa agaaagaaag gaaggaagga aggaaaagaa agaaagaaag gaaggaagga	120
aggaaggaag gaagg	135

<210> 84
<211> 346
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 84 ggaggaggaa gagtgatgag ttctctaattt acttggttgg attagcctta gagttatcg gagttgcctt ctgttgtgc ccctactatc aaggttcat ggaaaatcta ggcaaggcag	60
aaccttcctca gaaggacaag agacaaagaa gtgggggagg ccctcctatc catagctgag	120
agggtttatt ctttgtgtt ctgttgtcag agccttttga tgtctgatct gagatggagc	180
aaccccgact agacagaact ttgttagattt tggggggttt aaaaggcctc aagcaaattc	240
taaaaacttcc tttgaacccc ctggcatagg ctcagttcc ctgact	300
	346

<210> 85
<211> 100
<212> DNA
<213> Human

<400> 85 acaaaaaagcc cttttaaact tggggccgct cgaggtcggt tcgactgggc cgagacttcc	60
--	----

SEQLST~1.TXT

gaaaagaaaa	tggtttttt	tgccgaaatc	aaccgggtaa	100
<210>	86			
<211>	201			
<212>	DNA			
<213>	Human			
<400>	86			
ttcataacat	cgtcattttg	ggttatgcga	aatacaaatt	taaatcttg
gaaaagagga	agaaaacgctt	tttaggagtt	aaggattaaa	gtaaaaatta
attacctctt	tttgtgacca	ctctaaagg	ccaggaacat	atttggagaa
atgtaacagt	gtggggtttc	a		60
				120
				180
				201
<210>	87			
<211>	531			
<212>	DNA			
<213>	Human			
<400>	87			
tatagcgggc	gttataaaca	taccacttcc	cggtacaacg	gatttcaagg
aacccagaac	gaacgcgtt	agtgcgcgtt	atcttcctag	gatagagtcg
tcttttaccc	cggcactcg	gtccaccctc	gcggcaccag	aggatttctc
ttaaccatcg	caatcgccga	ccgagttaa	ggaccactcc	ccacctttct
ggagaacgct	actttacccc	atagacggag	aaatcgctac	tcaactacca
gtcgagtccc	tcttcctctc	tttatgcatt	tagagcgtt	tcgtaagagt
ttcttctaag	cgtagcgcgt	ctactccaat	gtttcgtt	atccagcccc
gcggaggagt	cgatccgtct	actcctatcc	cgtcggctcg	gatttactac
aaaacaaaaaa	gtaccagccc	taaaggaaag	tcaaaggacg	cccgtaaaaaa
				a
				531
<210>	88			
<211>	530			
<212>	DNA			
<213>	Human			
<400>	88			
aatctcgatc	gcaaacatac	ggcactctcc	ctcttgcgc	ggttttcgtc
cattcggtcc	agtgcctcgc	cctattagcc	cttaagccca	ccgtttctaa
acagccaaac	cggtccgccc	aaggcctccg	tcgtttata	atatattccg
aggaacgaac	cccccttcat	taccacggtc	ccgcgtccgc	ctccttctcc
gttctattcc	tttcagcctc	ccgtacctgc	ttccagaaca	tcgcaccgcc
gatagcaaag	attaccgc	ttctattcct	cggccagag	ccgagtaat
agaggcggaa	tccaaccatt	caagagttat	aacaagttat	cggcactcgg
				60
				120
				180
				240
				300
				360
				420
				480
				531

SEQLST~1.TXT

tataaaactta atgtccccttt tattctcccg gacgccccttt ttaaccacctt cttcctatct	480
ttcgcttaaca agccattgac ggcgcttgc cgcgccggcc catctcgctg	530

<210> 89
<211> 332
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<400> 89
ccatttatgg gccggggata tacccacatg gtacagnaca ttacatnttt atggcaccat

SEQLST~1.TXT

ttccaccggc ctggaaaaaaatccata attaattaac caggggncc anttaaaaaaa	120
aattaaggna aggnntaaaaa aatttaacca anggggggtt taaagggnntt tttttttta	180
aaaaaaaaagg ttaaancccc ccctttttt ttggggttggg gtggaaaat tttgggaanc	240
cttaacccccc gggaaaaaaatccata attaattaac caggggncc anttaaaaaaa	300
ggaccgggtt ccattttat gggtattttggg aa	332

<210> 90
 <211> 185
 <212> DNA
 <213> Human

<400> 90 actgctataa tgcaaaaaaa catgttctca gggtcacccctt gagggttgtt gtcatggggc	60
cggtgtaac tattaaaaca taagtttaat cggtatttaa aattttaaaa tcaaaaaaaaaa	120
taaaatatat gcaaccctcc attccaagga agtatgtatgt tactagatta tctgaaaatt	180
ctcct	185

<210> 91
 <211> 365
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (326)..(326)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (338)..(339)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (344)..(344)
 <223> n is a, c, g, or t

<400> 91 ccagagagcc acaaatgacc aaaatatttt gagatgaaca tgctcgtaga aggtagctga	60
ctaggggtta cttgaaaatg ctagaccagg ataactccta agtgtatatc cttggcagac	120
tgcgttatgtt ttccaaatcctt gcttgcata taagacacaa agtcagaata aagctcaaga	180
aaacagaacg tgcaggccat caagcgcaga gcctgctcat tggacaaccg caaagagttag	240
taagtgcgtgc cgctattcac acttagaaaa ggagaaccac gggaaaaac caaattaatg	300
gggctgtttt ttgtcactctt ggcatacgag aattgtgnng aaanttttaac ttttgtaagc	360
ttgtta	365

SEQLST~1.TXT

<210> 92
<211> 113
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<400> 92
acttgacctt atggatgatg ctgcggagtg cntngtaagt gtttcatgat attccttaag 60
aagtcaggat agtagtttc attccctaga tggtacaagt gttgagacaa atg 113

<210> 93
<211> 210
<212> DNA
<213> Human

<400> 93
gttttaggga aatttgccag ttttatgttt taatattttt ggaaggaaaa ctgaaaggtta 60
atgaaaatgt tactgttggta ttaaaaaaca aattaagtcc aaatagtgtat taggcaagtt 120
ggtgaggttag ggggttgctg caagagcggaa agttgaaaga tcttggaaaa attaaagaaaa 180
cttcataaaaaa ccccatctct acacccaaaaa 210

<210> 94
<211> 506
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
```

SEQLST~1.TXT

<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)

SEQLST~1.TXT

```
<223> n is a, c, g, or t  
<220>  
<221> misc_feature  
<222> (287)..(287)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (291)..(292)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (302)..(302)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (305)..(306)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (311)..(311)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (318)..(319)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (321)..(321)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (327)..(329)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (333)..(333)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (348)..(349)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (352)..(352)  
<223> n is a, c, g, or t  
  
<220>  
<221> misc_feature  
<222> (357)..(357)  
<223> n is a, c, g, or t  
  
<220>
```

SEQLST~1.TXT

```
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t
```

SEQLST~1.TXT

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(456)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (473)..(474)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (487)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(497)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<400> 94
ttggnggggg ggcgagatcc tactngagac ctttgatnt gggnanggac cgaagatcna

SEQLST~1.TXT

ttaganaccn atgngatggc cnnncnaaan nnttaaagtg agagtccatc tnngaanaaa	120
atgggnaant tttnnnnggg gggggaaaaa ancccnnngg tnanngggg cccngggntt	180
naaannnggn nctnggggg ggaaantttt ggccccccc cgggggntt ncctnaaaaa	240
aaancnttt naaanacngn nanaattttn ccnnncggg gaggnngga nntttttt	300
tnaannagcc nttttggnna naaaaannnt ggncccccc ctattccnng gnntttngga	360
ccntnnanc ntgggnntt ttagnccttn aaaaaaangc naatnttaag gtaaaaattn	420
ggggggggng ggggggnngn gnntttttt ttntnnggag ggtttttt ccnnccnggg	480
ngaaagnntg gggcnnctn cngccn	506

<210> 95
<211> 400
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (24)..(24)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
```

SEQLST~1.TXT

```
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t
```

SEQLST~1.TXT

```
<220>
<221> misc_feature
<222> (222)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
```

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (324)..(324)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (326)..(326)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (341)..(341)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (348)..(348)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (350)..(350)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (354)..(355)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (367)..(367)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (383)..(384)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (391)..(391)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (398)..(398)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (400)..(400)

<223> n is a, c, g, or t

<400> 95

catgaaggaa naagcctgta ctanctgccg gtatccatgn taatctgngg ngatgtcagc 60

agaccaggct nagcagatan ctncatttct ntctnaagnc ctttgtctg naggngnca 120

ntnnnanctnc ngntnaacat cacagctnct ccnagcatca ccctgctagn tancngnggg 180

SEQLST~1.TXT

ttttctctta tntgnngncn naacatctgc nngctctgnt annaanaatt ncataccgcn	240
canngtctnt gacgntgtga tgcatacgnt tgggcagagn gancaatang tgngcatatg	300
cgtgccttac ncaaggatac ggangngctt gaaattgatg ngaccaanan ttnnngtacg	360
gtaagtnacc caaccacttc tgnnttcact ntaagagnncn	400

<210> 96
<211> 800
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (622)..(622)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (628)..(628)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (642)..(642)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (661)..(661)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (668)..(668)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (694)..(694)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (709)..(710)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (735)..(735)
<223> n is a, c, g, or t

<220>
<221> misc_feature

SEQLST~1.TXT

<222> (751)..(752)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (763)..(763)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (778)..(778)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (782)..(782)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (786)..(786)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (788)..(788)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (798)..(798)
<223> n is a, c, g, or t

<400> 96	
gagatgaatg atgaaatgat gagatgagat gatgaaatga aatggtgaga tgaactgatg	60
aatgaaaatg aaataatgaa atgaaattga aataaaatttga aatgagatg agatgaaatg	120
atgagatgat gaaataaaaat gatgaaatga gatgtatgat gatgaaatgaa ngagatgaaa	180
tgatgagatg agatgacatg aaataatgaa aataatgaaa tcgaaatgag atgagaagat	240
acgagatgag atgaaatgat gagatgaaat gatgaaatgaa gataagatgaa aaagagttgaa	300
tgagatgatg agatgaaatg agatgaaaatg agatgaaatg agatgaaatg aaatgatgag	360
atgaaatgag gtgaaatgaa attagatgaa acgtaatgag atgaaatgac ataatgaaat	420
gaaaaaaatgaa aatgaaataa tgaaatgagg tgaaattaaa tgagatgatg aaattaaatg	480
atgaaatgaa ataatgaaat ggaaatgaaa tggaaatgat gagatgaaatg atgagatgaa	540
atgatgagat gagatgtatt gatgagagga aatgatgaga tgtaatgaaa tgagatgaaa	600
tgaatgagat gaaatgaaat antgaaangg aaattgattt gngatttgag atgaaatgag	660
ntaaatgnga tgaattaatg atgagatgaa atgntgaaatg ccggggtnnn tgagatgaaat	720
tgagttgaaac cctgngatgaa atgaaagattt gntgaaatggt ggntgaaatgt tgaatggntg	780
gntgggnanaa tgccctgtngg	800

SEQLST~1.TXT

<210> 97
<211> 334
<212> DNA
<213> Human

<400> 97
gatgaattga aatgaaatga aataatgaaa taatgaaatg agatgaaatg aaaagaaatg 60
atgaaatgat attgaaatga aattgaaaga tgagatgatg agatgaaatg gtgaaatgtt 120
gaaatgaaat gatgaaatga atagatgtga catgaaatga gctgaaatga tgagatcaa 180
tgaaatgaaa tgagattaaa tcatgagatg aaaactgtatg aaaacttaaa tcatgaaata 240
atgaaatgaa aatgaaatgg aatgtatgag atgagaagaa atgtatgagat gagatgagat 300
aaaatgagat gaaatgatga gatgaaatga tgag 334

<210> 98
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<400> 98
ttcaggccgt ctgcttntac atatactatc gagaatggtg ctgtgcactc ataacaccgt 60
tgcttggtag acgctttga acccttcagc gctgaaagta 100

<210> 99
<211> 500
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 99
cccgggantt cggcccttat ggcccgggaa aatgtatgaga tgaaatgatg aaatgagata 60
agatgaaaag agttgatgag atgtatgagat gaaatgagat gaaaagagat gaaatgagat 120
gaaatgaaat gatgagatga aatgaggtga aatgaaatgtt gatgaaacgt aatgagatga 180
aatgacctaa tgaaatgaaa aaatgaaatg aaataatgaa atgaggtgaa attaaatgag 240
atgtatgaaat taaatgatga aatgaaataa tgaaatggaa atgaaatgga aatgtatgaga 300

SEQLST~1.TXT

tgaatgatga gatgaaatga tgagatgaga tctaattgatg agaggagatg atgagatgaa	360
ntgagatgaa aagagatgaa atgagatgaa accgaaatga tgagatgaaa tgaggtgaaa	420
tgaaattaga tgaaacgtaa tgagatgaaa tgacataatg aaatgaaaaa atgaaatgaa	480
ataatgaaat gaggtgaaat	500

<210> 100
<211> 397
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<400> 100
cccgggangt ttaagttagg gggcctgccccc cttaagcnt agtcccacccn tgaaanacac 60
tcccccttgaa nntctctaaa ccttaacttt ctggccnttt tgtttcagan atgcctaacc 120
ctcagggggt cttttgttct ctacgcctaa aaacttaatc tgtttggAAC aattccnttt 180
cctctctgtaa gaaattgacc tggccatggc tcctgtgaat gatacggttg ctattatccc 240

SEQLST~1.TXT

tgaacactgt	aaaaatgaac	tttcaaacag	ttgggttagga	cccaaacaga	aatgatgta	300
tggcttggaa	atagtttagc	tgaacattat	gcttaatat	tttactggcc	attgcagcac	360
aggtttagaa	atttatgttc	ggcttttaa	agtttta			397

<210> 101
<211> 132
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 101	gttacctaat	gttttactct	cattttcttt	ttctttatTT	ttcatttgta	aaataggaac	60
	attaattgtA	ctactttcaa	aagaattaaT	tgaagaaaga	gagatacagg	gtatctaggc	120
	ngaggaagac	cc					132

<210> 102
<211> 246
<212> DNA
<213> Human

<400> 102	gggggcttta	gttataactg	ggctaagcat	aattgcgcta	ccaattccat	attatctcat	60
	ggcacttaat	tttataattg	atatatataa	taaaaaattc	aatgcagata	ttgatataat	120
	aaaaatagat	aatggtaatc	caagcacgat	ggtagccatc	actctaattg	ctttggggtt	180
	aacctataac	ttattaagta	aagtgccaga	atggttcttt	gacagtatta	aaattaaaga	240
	aaacag						246

<210> 103
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> forward primer of exon 1 of insulin gene used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(18)

<400> 103	gccctctggg	gacctgac					18
-----------	------------	----------	--	--	--	--	----

<210> 104

SEQLST~1.TXT

<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> reverse primer of exons 1 and 2 of insulin gene used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(18)

<400> 104
cccacctgca ggtcctct 18

<210> 105
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> forward primer of β MyHC gene used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(24)

<400> 105 ..
gctggAACGT agAGACTCCC tgCT 24

<210> 106
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> reverse primer of β MyHC gene used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(24)

<400> 106
ggATCCTTCC agATCATCCA CTTG 24

<210> 107
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> forward primer of ANF used for quantitative RT-PCR analysis

<220>

SEQLST~1.TXT

<221> primer_bind
<222> (1)..(20)

<400> 107
ggatttcaag aatttgctgg

20

<210> 108
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> reverse primer of ANF used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(20)

<400> 108
gcagatcgat cagaggagtc

20

<210> 109
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> forward primer of APP used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(20)

<400> 109
ggatgcttca tgtgaacgtg

20

<210> 110
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> reverse primer of APP used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(19)

<400> 110
tcattcacac cagcacatg

19

<210> 111
<211> 21
<212> DNA
<213> Artificial Sequence

SEQLST~1.TXT

<220>
<223> forward primer of ZFP used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(21)

<400> 111
cacargagrc arggtcaacg a

21

<210> 112
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> reverse primer of ZFP used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(22)

<400> 112
ggattaaaat gaagcaccca ga

22